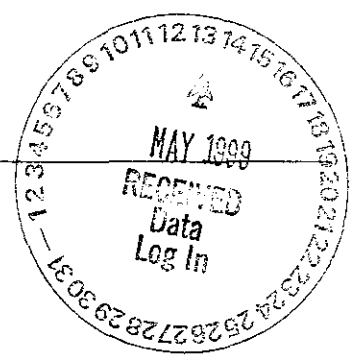




a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

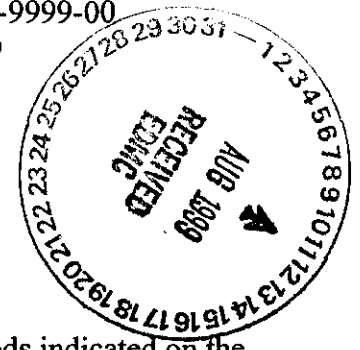
0051474

Recra LabNet Philadelphia
Analytical Report



Client : TNU-HANFORD B99-029
RFW# : 9903L585
SDG# : H0371
SAF# : B99-029

W.O. # : 10985-001-001-9999-00
Date Received: 03-30-99



INORGANIC CASE NARRATIVE

1. This narrative covers the analyses of 4 solid samples.
2. The samples were prepared and analyzed in accordance with the methods indicated on the attached glossary.
3. Sample holding times as required by the method and/or contract were met.
4. The cooler temperature was recorded on the chain-of-custody.
5. The method blank for Nitrate was within method criteria.
6. The Laboratory Control Sample (LCS) for Nitrate was within the laboratory control limits.
7. The matrix spike recovery for Nitrate was within the 75-125% control limits.
8. The replicate analyses were within the 20% Relative Percent Difference (RPD) control limit.

J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

5-4-99
Date

njp03-585

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 10 pages.

WET CHEMISTRY

METHODS GLOSSARY FOR ANALYSIS OF SOIL/SOLID SAMPLES

	<u>ASTM</u>	<u>SW846</u>	<u>OTHER</u>
%Ash	__ D2216-80		
%Moisture	__ D2216-80		__ ILMO4.0 (e)
%Solids			✓ ILMO4.0 (e)
%Volatile Solids	__ D2216-80		
ASTM Extraction in Water	__ D3987-81/85		
BTU	__ D240-87		
CEC		__ 9081	__ c
Corrosivity __ by coupon __ by pH		__ 1110 (mod) __ 9045	
Cyanide, Total		__ 9010	__ ILMO4.0 (e)
Cyanide, Reactive		__ Sec 7.3	
Density			__ b
Halides, Extractable Organic			__ EPA 600/4/84-008 (mod)
Halides, Total			__ EPA 600/4/84-008 (mod)
EP-Toxicity		__ 1310A	
Flash Point		__ 1010	
Ignitability		__ 1010	
Carbon, Total Organic (by LOI)			__ c
Oil and Grease		__ 9071A	
Carbon, Total Organic		__ 9060	__ Lloyd Kahn (mod)
Oxygen Bomb Prep for Anions	__ D240-87 (mod)	__ 5050	
Petroleum Hydrocarbons, Total Recoverable		__ 9071	__ EPA 418.1 (mod)
pH, Soil		__ 9045B	
Sulfide, Reactive		__ Sec 7.3	
Specific Gravity	__ D1429-76C		
Sulfur, Total		__ 9056	
TCLP		__ 1311	
TCLV		__ 1311	
Synthetic Precipitation Leach		__ 1312	
Chlorine, Total		__ 9056	
Paint Filter		__ 9095	

Other: Nitrate

Method: EPA 300.0

METHOD REFERENCES AND DATA QUALIFIERS

DATA QUALIFIERS

U = Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.

* = Indicates that the original sample result is greater than 4x the spike amount added.

ABBREVIATIONS

MB = Method or Preparation Blank.

MS = Matrix Spike.

MSD = Matrix Spike Duplicate.

REP = Sample Replicate

LC = Laboratory Control Sample.

NC = Not calculated.

A suffix of -R, -S, or -T following these codes indicate a replicate, spike or sample duplicate analysis respectively.

ANALYTICAL WET CHEMISTRY METHODS

1. ASTM Standard Methods.
2. USEPA Methods for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020).
3. Test Methods for Evaluating Solid Waste (USEPA SW-846).
 - a. Standard Methods for the Examination of Water and Waste, 16 ed., (1989).
 - b. Standard Methods for the Examination of Water and Waste, 17 ed., (1983)
 - c. Method of Soil Analysis, Part 1, Physical and Mineralogical Methods, 2nd. Ed. (1986)
 - d. Method of Soil Analysis, Part 2, Chemical and Microbiological Properties, Am. Soc. Agron., Madison, WI (1965)
 - e. USEPA Contract Laboratory Program, Statement of Work for Inorganic Analysis.
 - f. Code of Federal Regulations.

RFW 21-21L-034/D-06/96

Recra LabNet - Lionville

INORGANICS DATA SUMMARY REPORT 05/03/99

CLIENT: TNU-HANFORD B99-029

RECRA LOT #: 9903L585

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
*****	*****	*****	*****	*****	*****	*****
-001	B0V3K2	% Solids	42.7	%	0.01	1.0
		Nitrate by IC	9.3	MG/KG	2.9	1.0
-002	B0V3K4	% Solids	43.0	%	0.01	1.0
		Nitrate by IC	49	MG/KG	2.9	1.0
-003	B0V3K6	% Solids	43.0	%	0.01	1.0
		Nitrate by IC	11	MG/KG	2.9	1.0
-004	B0V3K8	% Solids	42.8	%	0.01	1.0
		Nitrate by IC	55	MG/KG	2.9	1.0

Recra LabNet - Lionville Laboratory
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B99-029

DATE RECEIVED: 03/30/99

RFW LOT # :9903L585

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
---------------------	-------	-----	--------	------------	-----------	----------

BOV3K2

% SOLIDS	001	SO	99L%S047	03/24/99	03/31/99	04/01/99
NITRATE BY IC	001	SO	99LXC049	03/24/99	04/30/99	04/30/99
NITRATE BY IC	001 REP	SO	99LXC049	03/24/99	04/30/99	04/30/99
NITRATE BY IC	001 MS	SO	99LXC049	03/24/99	04/30/99	04/30/99
TCLP	001	SO	99LTO035	03/24/99	03/31/99	04/01/99

BOV3K4

% SOLIDS	002	SO	99L%S047	03/24/99	03/31/99	04/01/99
% SOLIDS	002 REP	SO	99L%S047	03/24/99	03/31/99	04/01/99
NITRATE BY IC	002	SO	99LXC049	03/24/99	04/30/99	04/30/99
TCLP	002	SO	99LTO035	03/24/99	03/31/99	04/01/99

BOV3K6

% SOLIDS	003	SO	99L%S047	03/24/99	03/31/99	04/01/99
NITRATE BY IC	003	SO	99LXC049	03/24/99	04/30/99	04/30/99
TCLP	003	SO	99LTO035	03/24/99	03/31/99	04/01/99

BOV3K8

% SOLIDS	004	SO	99L%S047	03/24/99	03/31/99	04/01/99
NITRATE BY IC	004	SO	99LXC049	03/24/99	04/30/99	04/30/99
TCLP	004	SO	99LTO035	03/24/99	03/31/99	04/01/99

LAB QC:

NITRATE BY IC	MB1	S	99LXC049	N/A	04/30/99	04/30/99
NITRATE BY IC	MB1 BS	S	99LXC049	N/A	04/30/99	04/30/99

99031585

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client <u>TNU - Hanford B99-029</u>				Refrigerator #														3 3		00			
Est. Final Proj. Sampling Date				#/Type Container		Liquid																	
Project # <u>10985-001-001-9999-00</u>						Solid														<u>lg</u>		<u>lg</u>	
Project Contact/Phone #				Volume		Liquid																	
RECRA Project Manager <u>OT</u>						Solid														<u>250</u>		<u>500</u>	
QC <u>spec</u> Del <u>ATL</u> TAT <u>30 day</u>				Preservatives																			
Date Rec'd <u>3/30/99</u> Date Due <u>4/24/99</u>				ANALYSES REQUESTED →		ORGANIC										INORG							
Account #						VOA	BNA	Pes/PCB	Herb					Metal	CN								
↓ RECRA LabNet Use Only ↓																							
MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description			Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected														
					MS	MSD																	
	<u>001</u>	<u>B0V3K2</u>					<u>SO</u>	<u>4/21/99</u>	<u>0915</u>														
	<u>2</u>	<u>4</u>					<u>↓</u>	<u>↓</u>	<u>0929</u>														
	<u>3</u>	<u>6</u>					<u>↓</u>	<u>↓</u>	<u>0943</u>														
	<u>4</u>	<u>8</u>					<u>↓</u>	<u>↓</u>	<u>0959</u>														
	<u>5</u>	<u>2 telpaf 001</u>					<u>W</u>	<u>*</u>	<u>-</u>														
	<u>6</u>	<u>4</u>	<u>2</u>				<u>↓</u>	<u>↓</u>	<u>↓</u>														
	<u>7</u>	<u>6</u>	<u>3</u>				<u>↓</u>	<u>↓</u>	<u>↓</u>														
	<u>8</u>	<u>8</u>	<u>4</u>				<u>↓</u>	<u>↓</u>	<u>↓</u>														

Special Instructions:

Ref # B99-029**COMPOSITE
WASTE**

DATE/REVISIONS:

* see labchron

2 Run matrix QC

3

4

5

6

RECRA LabNet Use Only

Samples were: ✓

1) Shipped ☒ or Hand Delivered

Airbill # *

2) Ambient or Chilled ☒

3) Received in Good Condition ☒ Y or N

4) Labels Indicate Properly Preserved ☒ Y or N

5) Received Within Holding Times ☒ Y or N

COC Tape was:

1) Present on Outer Package ☒ Y or N

2) Unbroken on Outer Package ☒ Y or N

3) Present on Sample ☒ Y or N

4) Unbroken on Sample ☒ Y or N

COC Record Present Upon Sample Rec'l ☒ Y or N

Cooler Temp 5.4 C

Relinquished by

Received by

Date

Time

Relinquished by

Date

Time

DeckerJodur3/30/990930

ORIGINAL

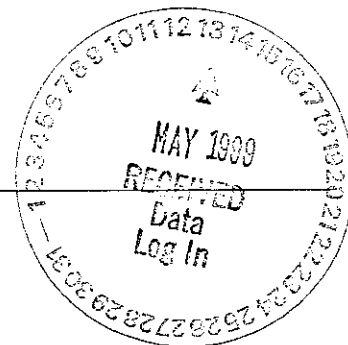
REWRITTEN

Discrepancies Between Samples Labels and COC Record? Y or N ☒

NOTES:

*423579534088

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						B99-029-12		Page 1 of 1	
Collector DOUG BOWERS		Company Contact Thomas E. Pickett		Telephone No. 509-373-4630		Project Coordinator TRENT, SJ		Price Code IV/FA		Data Turnaround 45 Days	
Project Designation 100-KR-4 Pump & Treat - Resin Sampling FY 99		Sampling Location 100-KR-4 Pump and Treat		SAF No. B99-029		Method of Shipment Federal Express		Bill of Lading/Air Bill No. 123579524088		COA	
Ice Chest No. Shipping Van 94-004		Field Logbook No. EL-1381-1		Offsite Property No. A990093		Method of Shipment Federal Express		Bill of Lading/Air Bill No. 123579524088		COA	
Shipped To TMA/RECRA 6-28-99		Offsite Property No. A990093		Offsite Property No. A990093		Offsite Property No. A990093		Offsite Property No. A990093		Offsite Property No. A990093	
POSSIBLE SAMPLE HAZARDS/REMARKS		Preservation		None		None		None		None	
Special Handling and/or Storage		Type of Container		aG		aG		aG		aG	
		No. of Container(s)		1		1		1		1	
		Volume		60mL		60mL		60mL		60mL	
SAMPLE ANALYSIS		Activity Scan		Isotopic		Strontium-89/90 - Total		Technetium-99		Tritium - HT	
Sample No.		Matrix *		Sample Date		Sample Time					
B0V3K2		Other Solid		3-24-99		0911					
B0V3K4		Other Solid		3-24-99		0929					
B0V3K6		Other Solid		3-24-99		0943					
B0V3K8		Other Solid		3-24-99		0959					
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS		Matrix *					
Relinquished By		Date/Time		Received By		Date/Time					
Relinquished By		Date/Time		Received By		Date/Time					
Relinquished By		Date/Time		Received By		Date/Time					
Relinquished By		Date/Time		Received By		Date/Time					
LABORATORY SECTION		Received By		Title		Disposed By		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time					



**Recra LabNet Philadelphia
Analytical Report**

Client : TNU-HANFORD B99-029
RFW# : 9903L585
SDG/SAF# : H0371/B99-029

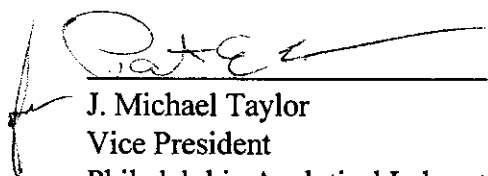
W.O.# : 10985-001-001-9999-00
Date Received: 03-30-99

METALS CASE NARRATIVE

1. This narrative covers the analyses of 4 TCLP leachate samples.
2. The samples were prepared and analyzed in accordance with methods checked on the attached glossary. A ten-fold dilution was performed on all samples due to the sample matrix.
3. All analyses were performed within the required holding times.
4. The cooler temperature has been recorded on the Chain of Custody.
5. All Initial and Continuing Calibration Verifications (ICV/CCVs) were within the 90-110% control limits.
6. All Initial and Continuing Calibration Blanks (ICB/CCBs) were within control limits (less than the PQL).
7. All preparation/method blanks (MB) were within method criteria {less than the Practical Quantitation Limit (3X the IDL), MB value less than 5% of the RCRA limit, or samples greater than 20X MB value}. Refer to the Inorganics Method Blank Data Summary.
8. All ICP Interference Check Standards were within control limits.
9. The laboratory control sample (LCS) was within the laboratory control limits. Refer to the Inorganics Laboratory Control Standards Report.
10. The TCLP extract from sample B0V3K2 was selected for the matrix spike (MS) for this analytical batch. The MS recovery was greater than 50% as per method criteria. Refer to the Inorganics Accuracy Report.
11. The duplicate analysis was within the 20% Relative Percent Difference (RPD) control limits. Refer to the Inorganics Precision Report.
12. For the purposes of this report, the data has been reported to the Instrument Detection Limit

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 13 pages.

12. For the purposes of this report, the data has been reported to the Instrument Detection Limit (IDL). Values between the IDL and the Practical Quantitation Limit (PQL) are acquired in a region of less-certain quantification.


J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory
mid/m03-585

4-19-99
Date



METALS METHOD GLOSSARY

The following methods are used as reference for the digestion and analysis of samples contained within this

Recra Lot#: 9903L585

Leaching Procedure: 1310 ☒ 1311 1312 Other: _____

CLP Metals Digestion and Analysis Methods: ILM03.0 ILM04.0

Metals Digestion Methods: 3005A ☒ 3010A 3015 3020A 3050A 3051 200.7 SS17
 Other: _____

Metals Analysis Methods

	SW846	EPA	STD MTD	EPA OSWR	USATHAMA
Aluminum	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Antimony	<u> </u> 6010B <u> </u> 7041 ⁵	<u> </u> 200.7 <u> </u> 204.2			<u> </u> 99
Arsenic	<u> </u> 6010B <u> </u> 7060A ⁵	<u> </u> 200.7 <u> </u> 206.2	<u> </u> 3113B		<u> </u> 99
Barium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Beryllium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Bismuth	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99
Boron	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Cadmium	<u> </u> 6010B <u> </u> 7131A ⁵	<u> </u> 200.7 <u> </u> 213.2			<u> </u> 99
Calcium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Chromium	<input checked="" type="checkbox"/> <u> </u> 6010B <u> </u> 7191 ⁵	<u> </u> 200.7 <u> </u> 218.2			<u> </u> SS17
Cobalt	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Copper	<u> </u> 6010B <u> </u> 7211 ⁵	<u> </u> 200.7 <u> </u> 220.2			<u> </u> 99
Iron	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Lead	<u> </u> 6010B <u> </u> 7421 ⁵	<u> </u> 200.7 <u> </u> 239.2	<u> </u> 3113B		<u> </u> 99
Lithium	<u> </u> 6010B <u> </u> 7430 ⁴	<u> </u> 200.7		<u> </u> 1620	<u> </u> 99
Magnesium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Manganese	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Mercury	<u> </u> 7470A ³ <u> </u> 7471A ³	<u> </u> 245.1 ² <u> </u> 245.5 ²			<u> </u> 99
Molybdenum	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Nickel	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Potassium	<u> </u> 6010B <u> </u> 7610 ⁴	<u> </u> 200.7 <u> </u> 258.1 ⁴			<u> </u> 99
Rare Earths	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99
Selenium	<u> </u> 6010B <u> </u> 7740 ⁵	<u> </u> 200.7 <u> </u> 270.2	<u> </u> 3113B		<u> </u> 99
Silicon	<u> </u> 6010B ¹	<u> </u> 200.7		<u> </u> 1620	<u> </u> 99
Silica	<u> </u> 6010B	<u> </u> 200.7		<u> </u> 1620	<u> </u> 99
Silver	<u> </u> 6010B <u> </u> 7761 ⁵	<u> </u> 200.7 <u> </u> 272.2			<u> </u> 99
Sodium	<u> </u> 6010B <u> </u> 7770 ⁴	<u> </u> 200.7 <u> </u> 273.1 ⁴			<u> </u> 99
Strontium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Thallium	<u> </u> 6010B <u> </u> 7841 ⁵	<u> </u> 200.7 <u> </u> 279.2 <u> </u> 200.9			<u> </u> 99
Tin	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Titanium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Uranium	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99
Vanadium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Zinc	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Zirconium	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99

Other: _____

Method: _____

METHOD REFERENCES AND DATA QUALIFIERS

DATA QUALIFIERS

U = Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.

* = Indicates that the original sample result is greater than 4x the spike amount added.

ABBREVIATIONS

MB = Method or Preparation Blank.

MS = Matrix Spike.

MSD = Matrix Spike Duplicate.

REP = Sample Replicate

LCS = Laboratory Control Sample.

NC = Not calculated.

ANALYTICAL METAL METHODS

1. Not included in the method element list.
2. Modified Hg: Hg1 and Hg2 require less total volume of digestate due to the autosampler analysis. Sample volumes and reagents for mercury determinations in water and soil have been proportionately scaled down to adapt to this semi-automated technique. The sample volume used for water analysis is 33 mL. For soils, 0.1 grams of sample is taken to a final volume of 50 mL (including all reagents).
3. Modified Hg: Hg1 and Hg2 require less total volume of digestate due to the autosampler analysis. Sample volumes and reagents for mercury determinations in water and soil have been proportionately scaled down to adapt to this semi-automated technique. The sample volume used for water analysis is 33 mL. For soils, three 0.1 gram of sample is taken to a final volume of 50 mL (including all reagents).
4. Flame AA.
5. Graphite Furnace AA.

RFW 21-21L-033/N-10/96

Recre LabNet - Lionville

INORGANICS DATA SUMMARY REPORT 04/19/99

CLIENT: TNU-HANFORD B99-029

RECRA LOT #: 9903L585

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-----	-----	-----	-----	-----	-----	-----
-005	BOV3K2	Chromium, TCLP Leachate	4890	UG/L	6.0	10.0
-006	BOV3K4	Chromium, TCLP Leachate	3340	UG/L	6.0	10.0
-007	BOV3K6	Chromium, TCLP Leachate	5050	UG/L	6.0	10.0
-008	BOV3K8	Chromium, TCLP Leachate	3470	UG/L	6.0	10.0

Recra LabNet - Lionville Laboratory
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B99-029

DATE RECEIVED: 03/30/99

RFW LOT # :9903L585

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
---------------------	-------	-----	--------	------------	-----------	----------

B0V3K2

TCLP	001	SO	99LTO035	03/24/99	03/31/99	04/01/99
------	-----	----	----------	----------	----------	----------

B0V3K4

TCLP	002	SO	99LTO035	03/24/99	03/31/99	04/01/99
------	-----	----	----------	----------	----------	----------

B0V3K6

TCLP	003	SO	99LTO035	03/24/99	03/31/99	04/01/99
------	-----	----	----------	----------	----------	----------

B0V3K8

TCLP	004	SO	99LTO035	03/24/99	03/31/99	04/01/99
------	-----	----	----------	----------	----------	----------

B0V3K2

CHROMIUM, TCLP LEACH	005	W	99L0204	04/01/99	04/03/99	04/06/99
CHROMIUM, TCLP LEACH	005 REP	W	99L0204	04/01/99	04/03/99	04/06/99
CHROMIUM, TCLP LEACH	005 MS	W	99L0204	04/01/99	04/03/99	04/06/99

B0V3K4

CHROMIUM, TCLP LEACH	006	W	99L0204	04/01/99	04/03/99	04/06/99
----------------------	-----	---	---------	----------	----------	----------

B0V3K6

CHROMIUM, TCLP LEACH	007	W	99L0204	04/01/99	04/03/99	04/06/99
----------------------	-----	---	---------	----------	----------	----------

B0V3K8

CHROMIUM, TCLP LEACH	008	W	99L0204	04/01/99	04/03/99	04/06/99
----------------------	-----	---	---------	----------	----------	----------

LAB QC:

CHROMIUM LABORATORY	LC1 BS	W	99L0204	N/A	04/03/99	04/06/99
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Recra LabNet - Lionville Laboratory
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B99-029

DATE RECEIVED: 03/30/99

RFW LOT # :9903L585

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
CHROMIUM, TCLP LEACH	MB1	W	99L0204	N/A	04/03/99	04/06/99
CHROMIUM, TCLP LEACH	MB2	W	99L0204	N/A	04/03/99	04/06/99

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS[illegible]

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B99-029-12		Page 1 of 1	
Collector DOUG BOWERS		Company Contact Thomas E. Pickett		Telephone No. 509-373-4630		Project Coordinator TRENT, SJ		Price Code IV/FA Data Turnaround 45 Days	
Project Designation 100-KR-4 Pump & Treat - Resin Sampling FY 99		Sampling Location 100-KR-4 Pump and Treat		SAF No. B99-029					
Ice Chest No. Shipping Van 96-004		Field Logbook No. EL-1381-1		Method of Shipment Federal Express					
Shipped To TMA/RE/RA 3-24-99		Offsite Property No. A0990093		Bill of Lading/Air Bill No. 123579524088					
				COA					

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	None	None	None	None	None	None	None	None			
	Type of Container	aG	aG	aG	aG	aG	aG	aG	aG			
	No. of Container(s)	1	1	1	1	1	1	1	1			
Special Handling and/or Storage	Volume	60ml.	60ml.	60ml.	60ml.	125ml.	250ml.	500ml.				
SAMPLE ANALYSIS		Activity Scan	Isotopic Chromium	Strontium- 89/90 Total Sr	Technetium-99	Tritium - HT	R ⁻ Anions - 100.0 (Nitrate)	Metals by ICP (10.0%) 1313/6010A (Chromium)				
Sample No.	Matrix *	Sample Date	Sample Time									
B0V3K2	Other Solid	3-24-99	0911					X	X		B0V3K3	
B0V3K4	Other Solid	3-24-99	0939					X	X		B0V3K5	
B0V3K6	Other Solid	3-24-99	0943					X	X		B0V3K7	
B0V3K8	Other Solid	3-24-99	0958					X	X		B0V3K9	

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By	Date/Time	Received By	Date/Time	in 1 Ac 4°C				Soil Water Vapor Other Solid Other Liquid	
Relinquished By	Date/Time	Received By	Date/Time						
Relinquished By	Date/Time	Received By	Date/Time						
Relinquished By	Date/Time	Received By	Date/Time						
LABORATORY SECTION		Received By		Title				Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By				Date/Time	